

5.04 BRICK AND CONCRETE MASONRY UNITS

5.04.01 GENERAL

These instructions cover the inspection, sampling and testing of masonry brick, concrete masonry units and hollow load-bearing concrete masonry units used for various types of construction.

Production of these units will usually be from local commercial plants.

5.04.02 BASIS OF ACCEPTANCE

See Standard Specifications Manual Subsection 1301,1302 and 1303.

5.04.03 METHODS OF INSPECTION

(a) At the Source.

Inspection of brick and concrete masonry units will, if possible, be made at the manufacturer's storage yard and will be made by an authorized representative of the Chief, Bureau of Materials and Research. Inspection at the source will consist of subjecting each lot to a careful visual inspection and obtaining a representative sample of the lot to be submitted to the Materials and Research Center, Topeka, Kansas for test.

The number of samples required is shown in subsection **5.19.02(b)(3)**. Each size of unit will constitute a separate lot. Specimens selected for sampling shall be representative of the lot of units from which they are selected. After sampling, the lot represented shall be marked for identification.

(b) At Destination.

Inspection of masonry units delivered to the project will be the responsibility of the Field Engineer or the District Materials Engineer.

If the units have been tested and accepted before delivery, a visual inspection should be made to check the condition of the units and their identification. Slight imperfections, minor indentations or surface cracks incidental to the usual method of manufacture, or the chipping resulting from the customary methods of handling in shipment, should not be deemed grounds for rejection.

Units which have not been sampled before delivery must be sampled and inspected on the project. Sampling and inspection will be in accordance with subsection **5.04.03(a)**.